CORRES CONTROL
OUTGOING LTR NO

DOE ORDER # 4700 |

95 RF 00333

DISTRIBUTION	LTR	ENC
AMARAL, M E		
BURLINGAME, A H		
BRANCH, D B		
CARNIVAL, G J		
DAVIS, J G		
FERERRA, D W		
FRAY, R E		
GEIS, J A		
GLOVER, W S		
GOLAN, P M		
HANNI, B J		
HARMAN, L K		
HEALY, T J		
HEDAHL, T		
HILBIG, J G		
HUTCHINS, N M		
JACKSON, D T		
KELL, R E		
KUESTER, A W		
MARX, G E		
McDONALD, M M		
McKENNA, F G		
MONTROSE, J K		
MORGAN, R V		
POTTER, G L		
PIZZUTO, V M		
RISING, T L		
SANDLING, N B		
SCHWARTZ, J K		
SETLOCK, G H		
STEWART, D L		
STIGER, S G		
TOBIN, P M		
VOORHEIS, G M		
WILSON, J M		
BUDDY	X	X
PRIMROSE	X	X
SPENCE	X	X
AURDOCK	X	X
EULER	X	X
CORRES CONTROL	X	X
ADMIN RECORD	X	X
PROJECT FILE	X	X
RATS		

CLASSIFICATION
UCNI
UNCLASSIFIED X
CONFIDENTIAL
SECRET

AUTHORIZED CLASSIFIER SIGNATURE

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ACTION ITEM STATUS
PARTIAL/OPEN ☐
CLOSED ☐

LETTER APPROVALS

ORIGINATOR & TYPIST INITIALS

EG&G ROCKY FLATS

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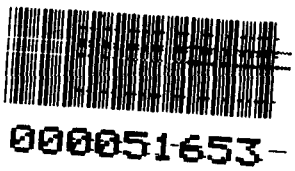
January 10, 1995

95-RF-00333



Robert H Birk
Environmental Restoration Division
DOE/RFFO

OPERATIONAL STATUS OF THE AIR MONITORING STATION LOCATED SOUTHEAST OF STANDLEY LAKE NEAR 86TH AVENUE AND KIPLING STREET – THS-001-95

Action Submit letter to United States Fish and Wildlife Service (USFWS)

The 86th Avenue/Kipling Street air monitoring station is located near the southwest corner of the intersection of 86th Avenue and Kipling Street Construction of this station was completed on October 14, 1994 Electric power was provided by Public Service Company on December 12, 1994 This air sampling station consists of one ultra high-volume (approximately 300 cubic feet per minute) blower motor and one sample filter housing unit The air sampling station will be used to collect data as part of the Rocky Flats Plant Operable Unit 3, Offsite Areas, Human Health Risk Assessment The Operable Unit 3 risk assessment is directed by the Environmental Restoration Interagency Agreement between the Environmental Protection Agency, Colorado Department of Public Health and the Environment, and the United States Department of Energy The air sampling station will be used in conjunction with two additional air monitoring stations planned for construction near Standley Lake

A noise level survey was performed at the monitoring site on December 20, 1994 to determine if noise levels generated by the blower motor exceed City of Arvada noise control levels A copy of the preliminary noise monitoring results is provided as an attachment to this letter The noise level survey results indicate that noise levels in excess of 85 decibels [on the A weighted scale (dBA)] were observed inside the fenced station area Noise levels were measured approximately 70 feet north of the station, immediately south of 86th Avenue, and near residential property boundaries located approximately 100 feet west of the station The observed noise level measured adjacent to 86th Avenue was 57 7 dBA Noise levels observed near residential property boundaries were 51 9 and 52 5 dBA These measurements were made during short time intervals when noise caused by nearby automobile traffic was minimal, however, it was noted on the noise level survey form that the noise level generated by passing traffic was higher than the level measured from the monitoring station The increase in noise resulting from the traffic was measured from between 10 and 15 dBA

The City of Arvada Zoning Regulations, Chapter 19 Section 19-1, specify a noise level limit of 55 dBA at residential property boundaries during the hours 7 00 a m to 9 00 p m After 9 00 p m , the noise level limit is 50 dBA

ADMIN RECORD

A-0003-000435

A start-up demonstration at the monitoring station was performed on December 21, 1994 on behalf of the USFWS primarily to determine if the operation of similar monitoring stations in the vicinity of the Standley Lake Bald Eagle nesting area will generate a noise level detrimental to the eagles At the time of the demonstration, the USFWS requested any available noise frequency measurement results obtained during the noise level survey Further review of the preliminary noise level survey results indicate that no sound frequency measurements were made

The 86th Avenue/Kipling Street air monitoring station is intended to operate continuously (24 hours per day) for approximately one year The site is expected to be visited by field personnel (one to two people) once each week to remove and replace the air sample filter from the filter housing unit This procedure will consist of turning off the blower motor, opening the top of the filter housing to remove/replace the sample filter, turning the motor on, and checking the filter to ensure proper installation This activity is expected to take approximately one half hour to perform The sampling equipment is designed to be maintenance-free, and only periodic minor servicing of the equipment is anticipated (e g , tightening air hose fittings and/or lubricating the blower motor)

Due to the distance from the Bald Eagle nesting area and based upon the noise level survey results, it is EG&G's determination that the operation of the 86th Avenue/Kipling Street air monitoring station will have no effect on the nesting Bald Eagles EG&G Rocky Flats, Inc recommends that the Department of Energy/Rocky Flats Field Office submit a letter to the USFWS to propose that the 86th Avenue/Kipling Street air monitoring station become operational by January 11, 1995 based upon the information presented above Please call me at extension 8551 if you have any questions or require additional information

Tracey H Spence

Tracey H Spence
Operable Unit 3
Environmental Restoration Program Division

jlm

Orig and 1 cc – R H Birk

Attachment
As Stated